

# APPLICATION FOR A DAM NOT REQUIRING SUBMISSION OF FORMAL PLANS UNDER SECTION 73-5A-202 STATE OF UTAH

Received / / Entered / / Application No. - -

The following application is submitted pursuant to Section 73-5a-204

**1. APPLICANT INFORMATION**

Name(s): \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

**2. PURPOSE OF RESERVOIR**

Stock Pond _____	Regulating Res. _____	Diversion Dam _____
Irrigation _____	Debris Basin _____	Flood Control _____
Sedimentation _____	Tailings Pond _____	Recreation _____
Other (describe) _____		

**3. LEGAL LOCATION OF DAM**

County \_\_\_\_\_ Quarter/Quarter (i.e. NESW) \_\_\_\_\_ Section \_\_\_\_\_  
Township \_\_\_\_\_ Range \_\_\_\_\_ Base & Meridian \_\_\_\_\_

**4A. FOR DAMS BUILT ON A NATURAL STREAM OR DRAINAGE**

Name of Natural Stream or Drainage \_\_\_\_\_

OR  
Drainage Area above dam \_\_\_\_\_ (square miles)  
Distance below dam to nearest structure occupied by humans \_\_\_\_\_ (miles)

**4B. FOR DAMS BUILT OFF - CHANNEL**

Source of Water (ie: well, canal, ditch, etc.) \_\_\_\_\_  
Capacity of source to reservoir \_\_\_\_\_ (cubic feet per second)  
Distance below dam to nearest structure occupied by humans \_\_\_\_\_ (miles)

**5. DIMENSIONS OF DAM**

Height (vertical) \_\_\_\_\_ feet Length (at top) \_\_\_\_\_ feet Width (at top) \_\_\_\_\_ feet  
Upstream slope \_\_\_\_\_ Horizontal on \_\_\_\_\_ Vertical  
Downstream slope \_\_\_\_\_ Horizontal on \_\_\_\_\_ Vertical  
Surface Area at spillway crest \_\_\_\_\_ acres Capacity at Spillway crest \_\_\_\_\_ (ac-ft.)  
Type of dam (i.e. earthfill, concrete, masonry, rockfill, etc.) \_\_\_\_\_

**6. LOW LEVEL OUTLET**

Inside diameter of outlet \_\_\_\_\_ (inches) Total outlet length \_\_\_\_\_ (feet)  
Type of pipe \_\_\_\_\_ Type of gate or valve \_\_\_\_\_  
Location of gate or valve (ie: upstream, downstream, center, etc.) \_\_\_\_\_  
Outlet capacity with gate open and reservoir at maximum capacity \_\_\_\_\_ (cubic feet per second)

**7. SPILLWAY**

Crest Length (width of bottom of spillway) \_\_\_\_\_ feet Depth (from bottom of spillway to top of dam) \_\_\_\_\_ feet  
Type of Spillway (i.e. earth channel, pipe, concrete, rock channel) \_\_\_\_\_  
Spillway capacity with water at top of dam \_\_\_\_\_ (cubic feet per second)  
Control (i.e. gates, flashboards, etc.) \_\_\_\_\_

**8. WATER RIGHTS**

Describe: \_\_\_\_\_  
\_\_\_\_\_

**9. COMMENTS**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**10. PLANS**

The following drawings, including appropriate scales and dimensions, must be attached to the application:

- 1) A location map, such as a 7.5 minute USGS Quad Map, showing the exact location of the dam
- 2) A plan view of the dam and reservoir including the location of the spillway, outlet, and channel or supply source.
- 3) A profile of the dam along the centerline of the dam showing the natural ground, the top of the dam, and the depth to clearing, keyway bottom or cutoff trench.
- 4) A Cross Section of the dam through the outlet showing the location of the outlet and the types of materials the dam is to be constructed of.
- 5) Details of the spillway, outlet, drains, gates or valves, or other features of the dam or appurtenant structures.

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The undersigned acknowledge they have read the instructions included with this application, and are aware no construction is to begin until this application has been approved by the Utah State Engineer.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

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**- For Office Use Only -**

Water Rights in Order By \_\_\_\_\_ Date \_\_\_\_\_

Water Right Numbers if Applicable \_\_\_\_\_

Regional Engineer's Hazard Rating (High, Moderate, Low) \_\_\_\_\_

Reviewed by Dam Safety By \_\_\_\_\_ Date \_\_\_\_\_

Estimated Breach Flow at Dam \_\_\_\_\_ (cubic feet per second)

Comments \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
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Date of Approval \_\_\_\_\_

\_\_\_\_\_  
Robert L. Morgan, P.E.  
State Engineer